Academic Curriculum Vitae

Personal Information:

Full Name: Dler Salih Hasan
Academic Title: Assistant Professor
Email: dler.hasan@su.edu.krd
Mobile: +964 750 445 0242

Education:

Ph.D., Split-site between Salahaddin University (Iraq) – College of Engineering and University of Florida – Center of Intelligent Machines and Robotics (USA), 2017, Mechatronics and Robotics Engineering

Employment:

- In 1993, I began my first employed in University of Salahaddin – Erbil as a computer technician assistant
- In 2000 become an assistant lecturer. This role allowed me to share my expertise with students and assist in teaching computer-related subjects.
- In 2017, gained PhD., in Robotics Engineering, I was promoted to the position of a lecturer. This role enabled me to conduct lectures, design curriculum, and mentor students pursuing computer science and information technology.
- In 2023 , attained the rank of Assistant Professor, which involves: teach, conduct research, and contribute to the academic and institutional development in my field of expertise within a Salahaddin university setting. I also mentor students and engage in professional development activities
- Currently, I hold the esteemed position of Head of the Department of Computer Science and Information Technology. In this role, I oversee the department's operations, provide strategic guidance, and foster an environment of innovation and academic excellence.
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Teaching experience:

Undergraduate
- OOP : College of science – Dept. of Computer science and IT
- Robotics : College of science – Dept. of Computer science and IT
- Embedded Systems: College of science – Dept. of Computer science and IT
- Computer System: College of science – Dept. of Computer science and IT
- Database Systems: College of science – Dept. of Computer science and IT
- System Analysis and Design: college of Engineering – Software Engineering
- Principle of IT ; college of medicine , pharmacy , dentistry, Art, Languages, and Physical Education

PostGraduate
- Robotics Engineering : College of Engineering
- IoT: College of science – Dept. of Computer science and IT

PostGraduate
M.Sc. thesis Sara SerwerYouns "Dynamic Modeling of Robot Manipulators Using Newton Euler Method", Uinversity of Salahaddin, College of Engineering , 2020

M.Sc. thesis Bzhar Ghafour Mohammed titled "Remote IoT- Based Healthcare Monitoring System", Uinversity of Salahaddin, College of Science , 2023

M.Sc. thesis Ashna Sahdi Ali titled "A Smart Airport Check-in System Using Three Factors Authentications" Uinversity of Salahaddin, College of Science , 2023

Research and publications

Bibliography

Ali, Ashna Sahdi, and Dler Salih Hasan. 2023. "An IoT-Based Smart Airport Check-in System via Three-Factor Authentication (3FA)." *Zanco Journal of Pure and Applied Sciences* 35 (4): 1–13. https://doi.org/10.21271/ZJPAS.35.4.01.

Dler Salih Hasan, Dipak Srinivasan, Upendra Singh Aswal, Yogendra Kumar, N Rao, and Yaduvir Singh. 2023. "Perception Sensors Based Fusion System and Method for Controlling Vehicle." *In 2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN) IEEE.*, 750–55. https://doi.org/10.1109/icpcsn58827.2023.00129.

Gupta, Prof (Dr) Tania, Dr Kritika Gosain, Dr Dler Salih Hasan, A. Juliet Silvia, and Dr Srinivasan K.

2023. "Effective Teaching Strategies for Student Engagement in Online Education: A Meta-Analysis." *Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University* 44 (7): 1515–24. https://harbinengineeringjournal.com/index.php/journal/article/view/625.

Hasan, D S, B Pant, Y Kumar, A Rao, Y Singh, and A Srivastava. "Microrobot for Elderly Care Using Advance AI Technology." In *2023 IEEE World Conference on Applied Intelligence and Computing (AIC)*, 148–54. https://doi.org/10.1109/AIC57670.2023.10263815.

Hasan, Dler Salih. 2010. "Modernizing Management." First Iraqi-German Universities' Network Conference – Symposium on "Resource Management in the Development of Iraq." DAAD.de. November 29, 2010. https://blogs.hrz.tu-freiberg.de/rema/.

Hasan, Dr. Dler Salih, Dr. Carl CraneIII, and Dr. Ibrahim Hamarash. 2017. "Real Time Data Acquire from Multiple Accelerometers and IMU to Calculate 3-Direction Angles and Relative Orientation." *ZANCO Journal of Pure and Applied Sciences* 29 (2). https://doi.org/10.21271/zjpas.29.2.17.

Hasan, Dr. Dler Salih, and Dr. Ibrahim Hamarash. 2017. "Calculation of Angular Velocity, Angular Acceleration and Torque of Two Common Point Rigid Bodies Using IMU." *Journal of Applied and Physical Sciences* 3 (2). https://doi.org/10.20474/japs-3.2.3.

Hasan, Dr. Dler Salih, Nazhad Ahmad Husseinb, and Sara SerwerYouns. 2020. "Kinematic Workspace Modelling of Two Links Robotic Manipulator." *Anbar Journal of Engineering Sciences* 11 (1): 19–24. https://doi.org/10.37649/aengs.2020.171281.

Hasan, Dr.Dler Salih, Dr. Carl Crane III, and Dr. Ibrahim Hamarash. 2019. "Using Inertia Sensors for Orientation Estimation of Robot Manipulators." *ZANCO JOURNAL of PURE and APPLIED SCIENCES* 31 (s3). https://doi.org/10.21271/zjpas.31.s3.44.

Koshariya, Ashok Kumar, D Kalaiyarasi, Jovith A Arokiaraj, T Sivakami, Dler Salih Hasan, and Sampath Boopathi. 2023. "AIEnabled IoT and WSNIntegrated Smart Agriculture System." In *Artificial Intelligence Tools and Technologies for Smart Farming and Agriculture Practices*, 200–218. Hershey, PA, USA: IGI Global. https://doi.org/10.4018/9781668485163.ch011.

Kousar, Dr Heena, Dr Sundara Rajulu Navaneethakrishnan, Dr Dler Salih Hasan, Tejaswi Vuyyuru, and Dr Darshan A. Mahajan. 2023. "Integrating Artificial Intelligence and Blockchain Technology for Secure and Efficient Data Sharing." *Journal of Survey in Fisheries Sciences* 10 (1S): 5900–5911. https://sifisheriessciences.com/journal/index.php/journal/article/view/1979/.

Maheswari, B. Uma, S. Sagar Imambi, Dler Hasan, S. Meenakshi, and V. G. Pratheep. 2023. "Internet of Things and Machine Learning-Integrated Smart Robotics." Https://Services.igi-Global.com/Resolvedoi/Resolve.aspx?Doi=10.4018/978-1-6684-7791-5.Ch010. IGI Global.

August 1, 2023. https://www.igi-global.com/gateway/chapter/327575.

Mohammed, Bzhar Ghafour, and Dler Salih Hasan. 2023. "Smart Healthcare Monitoring System Using IoT." *International Journal of Interactive Mobile Technologies (IJIM)* 17 (01): 141–52. https://doi.org/10.3991/ijim.v17i01.34675.

Navaneethakrishnan, Dr. Sundara, Dr. Dler Hasan, Solasa Kumar, Dr. Darshan Mahajan, and Dr. Rohit Bansal. 2023. "THE ROLE of ARTIFICIAL INTELLIGENCE and MACHINE LEARNING in FRAUD DETECTION and PREVENTION." *Eur. Chem. Bull* 2023 (s8): 3454–65. https://www.eurchembull.com/issue-content/the-role-of-artificial-intelligence-and-machine-learning-in-fraud-detection-and-prevention-8488.

Raghuram Bhukya, M. Sangeetha, Dler Salih Hasan, Laxmi Raja, and Md. Abdul Hannan. 2023. "Integrated Machine Learning Approach for Healthcare Disabilities Tracing and Detection." *Advances in Bioinformatics and Biomedical Engineering Book Series*, October, 235–61. https://doi.org/10.4018/978-1-6684-6577-6.ch012.

Satav, S D, Dler Salih Hasan, R. Pitchai, T A Mohanaprakash, S J Sultanuddin, and Sampath Boopathi. 2024. "Next Generation of Internet of Things (NGIoT) in Healthcare Systems." *Practice, Progress, and Proficiency in Sustainability*, January, 307–30. https://doi.org/10.4018/979-8-3693-1186-8.ch017.

Sharma, Meenakshi, B Latha, Ankur Gupta, Dler Salih Hasan, C Rajan, and Madhu Munagala. 2023. "IoT-Embedded Deep Learning Model for Real-Time Remote Health Monitoring and Early Identification of Diseases." In *2023 3rd International Conference on Technological Advancements in Computational Sciences (ICTACS)*, 655–61. IEEE . https://doi.org/10.1109/ICTACS59847.2023.10389850.

Shastri, Dhiresh S, Navneet K Patil, Dler Salih Hasan, Tushar S Nikumbh, and Nikita Chaudhari. 2023. "Assistive Robotics and Synthetic Biology in Medical Applications." *Advances in Bioinformatics and Biomedical Engineering Book Series*, October, 42–67. https://doi.org/10.4018/978-1-6684-6577-6.ch003.

Venkatesh, S., Shiv Prasad Kori, P. William, M. L. Meena, A. Deepak, Dler Salih Hasan, and Anurag Shrivastava. 2024. "Data Reduction Techniques in Wireless Sensor Networks with Internet of Things." *International Journal of Intelligent Systems and Applications in Engineering* 12 (8s): 81–92. https://www.ijisae.org/index.php/IJISAE/article/view/4098.

Conferences and courses attended

Dler S. Hasan (2010), "Modernizing management" *First Iraqi-German Universities' Network Conference,* **Resource Management in the Development of Iraq,** *Technische Universität Berlin,* ISSN 1619-3660, https://blogs.hrz.tu-freiberg.de/rema/program/

Istanbul 19th International Conference on "Engineering & Technology, Computer , Basic & Applied Sciences" (ECBA- 2016) 9-10 May 2016 Istanbul, Turkey

Second International Conference on Engineering and Innovative Technology(SU-ICEIT-2019) proceeding https://zancojournals.su.edu.krd/index.php/JPAS

Keynote speaker, Tishk Conference of Projects on Information Technology (COPIT), Tishk International University, 2022

Session chair, "Third International Conference of Mathematics and its Application (TICMA)", University of Salahaddin, March 2022

Developing a Curriculum for Computer Science Conference Berlin, September 27th to September 29th 2010, Berlin, Technische Universität Berlin, Center for International and Intercultural Communication (ZiiK), Faculty of Electrical Engineering and Computer Science, ISSN 1619-3660

Funding and academic awards

- Won a B.Sc. graduation project grant from University of Salahaddin

CONSULTING EXPERIENCE

- From 2010 to 2013, served as the head of ICDL Courses at Salahaddin University - Erbil.
- Managed the Admission Office overseeing student enrollment in Universities and Institutes in the Iraqi Kurdistan Region from 2000 to 2012.
- Member of Computer skill examinations in University of Salahaddin from 2007 to 2010

- Director of the Computer and Robotic Festival since 2019 until now.
- Academic Reviewer (2022 and 2023) in-country scholarship "Prospect for Peace Through Education in Iraq" commissioned by *German Federal Ministry of Economic and Cooperation and Development* implemented by DAAD and GIZ – Germany

Professional memberships

- Iraqi Engineering Syndicate
- Kurdistan Engineering Syndicate
- Kurdistan Teachers Union
- Iraqi computer Science Union

Committees :

Department: Chair, Scientific and post graduate committee
Chair, festivals Committee
Chair: Computer and Software Maintenance
College: Member college council
University: Chair, Post graduate Student Board for Software Engineering and Computer Science

Ministry : Member of the Higher Education Certificate Equivalency Committee (Doctorate and Masters degree).

Supervisor of Student admission to Kurdistan Region colleges and institutes

Professional Social Network Accounts:

- https://www.researchgate.net/profile/Dler_Hasan
- https://www.linkedin.com/in/dr-dler-hasan-162046123/

- https://scholar.google.com/citations?hl=en&authuser=1&user=KDkD8kcAAAAJ
- https://orcid.org/my-orcid?orcid=0009-0008-3212-5509